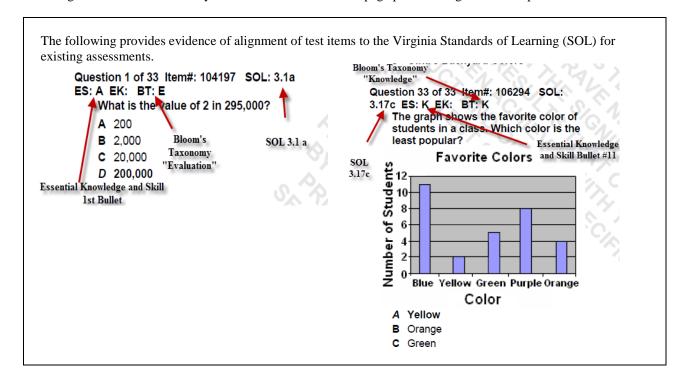
RFP# DOE-SGA-2012-15, COMMITTEE QUESTION, ALIGNMENT:

Provide evidence of alignment to the current Standards of Learning including a comparative chart of content standards developed by your company to VA content standards for each content area/grade level that your proposed assessment(s) addresses and numbers of items for each standard. If you are planning to develop assessments in response to the contract being awarded, provide the content standards that you will include in your assessment(s) and the number of items you will develop for each standard with a timeline.

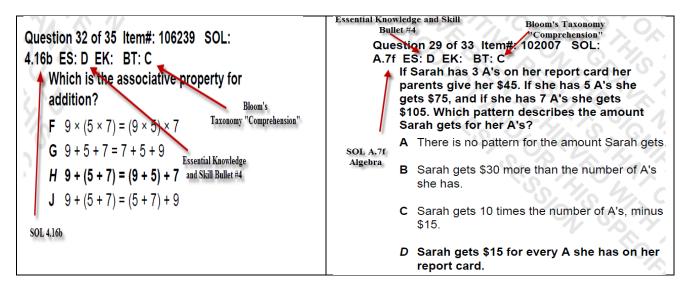
CONSULTING, SERVICES AND SOLUTIONS GROUP, INC. RESPONSE:

Evidence of Alignment

CSSG uses the Virginia Curriculum Framework and blueprint documents when aligning test items in our Standards of Learning Assessment Resource System. The remainder of this page provides alignment examples.



The following provides additional evidence of alignment of test items to the Virginia Standards of Learning (SOL) for existing assessments.



The content, knowledge and essential skills that are measured for each content area are as follows:

Science Grade 3 – End of Course Content Area Skills Measured are: The <u>Virginia Science Standards</u> and the associated cross-walked <u>bulleted Essential Knowledge</u>, <u>Skills and Processes of the Virginia Curriculum Frameworks</u> for each grade level are measured for this content area, complimented with cognitive skill measurement, since each item on the assessment forms are also aligned to Bloom's Taxonomy.

The types of test items used are:

- **Multiple Choice:** Math (Grades 2-EOC) , Reading/Writing (Grades 2-EOC) , Science (Grades 2 EOC), History (Grades 3 EOC)
- Fill in the Blank: Math (Grades 3- EOC) Note: Being expanded to all contents areas.
- **Drag and Drop:** Math (Grades 3 EOC) **Note:** Being expanded to all content areas.
- **Hot Spot:** Math (Grades 3 EOC) **Note:** Being expanded to all content areas.
- Online Writing Tool: Writing (Grades 5, 8, EOC)

Modes of Delivery are:

- Online
- Paper and Pencil
- Clicker Technologies (2013/2014 Academic Year)

Science Assessments

Our Standards of Learning Assessment Resource System has science test items solely for use for student growth assessments. They are not available for use in the teacher item bank. Please see the chart below showing the reporting category alignment of the items provided in our Standards of Learning Assessment Resource System. Consulting, Services and Solutions Group, Inc. can modify this test to include additional items on the test and/or replace items.

Any modifications can be made within three (3) days of notification by VDOE, provided that existing Standards of Learning Assessment Resource System items will be used in the changes. If new items are to be created for this test, CSSG can create the items within ten (10) business days. At this time, CSSG is not developing additional assessments unless requested by VDOE for all districts. CSSG has provided the following assessments:

- Science 3, 4 and 5 Fall, Winter and Spring tests
- Science 6, 7 (Life Science), 8 (Physical Science) Fall and Spring tests
- Biology Fall and Spring tests
- Chemistry Fall and Spring tests
- Earth Science Fall and Spring tests

Science 3 Fall

Reporting Categories:	Earth/Space System and Cycles	Force, Motion, Energy, and Matter	Life Processes & Living System	Scientific Investigation, Reasoning, and Logic
Standards of Learning	3.11a, 3.11b, 3.11c	3.2a, 3.2b, 3.2d,	3.5a	3.1c
Questions	4, 16, 19, 20, 26, 28	1, 2, 3, 5, 7, 8, 9, 10, 11, 12, 13, 17, 18, 21, 22, 23, 24, 25	6	14, 15, 27
Total Number of Questions per Reporting Category	6	18	1	3

Science 3 Spring

Reporting Categories:	Earth/Space System and Cycles	Force, Motion, Energy, and Matter	Life Processes & Living System	Scientific Investigation, Reasoning, and Logic
Standards of Learning	3.11b, 3.11c, 2.6a, 3.8a	3.2a, 3.2d, 3.3b	3.4a, 3.4b, 2.4b, 3.5a, 3.5b, 3.5c, 3.6a	3.1c, 3.1g
Questions	2, 5, 14, 16, 19, 21, 27, 28	6, 10, 23	1, 3, 4, 8, 9, 11, 12, 13, 15, 17, 18, 20, 22, 24, 25, 26, 29	7, 30
Total Number of Questions per Reporting Category	8	3	17	2

Science 3 Winter

Reporting Categories:	Earth/Space System and Cycles	Force, Motion, Energy, and Matter	Life Processes & Living System	Scientific Investigation, Reasoning, and Logic
Standards of Learning	3.8a, 3.9b	2.2a, 3.2b, 2.3b, 3.3b, 3.3c,	2.4b, 2.5a	3.1h
Questions	1, 2, 4, 12, 15, 17, 20, 27, 28, 30	5, 6, 7, 8, 9, 10, 11, 14, 16, 18, 21, 24, 25, 26, 29	19, 22, 23,	13
Total Number of Questions per Reporting Category	10	16	3	1

Science 4 Fall

Reporting Categories:	Earth/Space System and Cycles	Life Processes & Living System	Scientific Investigation
Standards of Learning	4.6a, 4.6b, 4.6c	4.4c, 4.5a, 4.5d, 4.5e	4.1a, 4.1c, 4.1e, 4.1g, 4.1j
Questions	2, 6, 7, 12, 14, 15, 22, 23, 24	3, 4, 5, 9, 16, 17, 18, 20, 21, 25	1, 8, 10, 11, 13, 19, 26
Total Number of Questions per Reporting Category	9	10	7

Science 4 Spring

Reporting Categories:	Earth/Space System and Cycles	Force, Motion, Energy, and Matter	Life Processes & Living System	Scientific Investigation
Standards of Learning	4.6a, 4.8b, 4.8e	4.2b, 4.2c, 4.2d, 4.3a, 4.3b, 4.3c, 4.3d, 4.3f	4.4a, 4.4b, 4.5d, 4.5e	4.1c, 4.1g
Questions	1, 2, 4, 8, 12, 17, 27, 28	3, 5, 7, 10, 11, 13, 14, 16, 20, 21, 22, 23, 25	6, 9, 15, 18, 19	24, 26
Total Number of Questions per Reporting Category	8	13	5	2

Science 4 Winter

Reporting Categories:	Earth/Space System and Cycles	Force, Motion, Energy, and Matter	Scientific Investigation
Standards of Learning	4.8a, 4.8b, 4.8c, 4.8d, 4.8e	4.2a, 4.2b	4.1a, 4.1c, 4.1e, 4.1g, 4.1i, 4.1j
Questions	2, 8, 10, 14, 17, 18, 20, 28	4, 7, 9, 16, 19, 21, 23, 25	1, 3, 5, 6, 11, 12, 13, 15, 22, 24, 26, 27
Total Number of Questions per Reporting Category	8	8	12

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Science 5 Fall

Reporting Categories:	Force, Motion, Energy, and Matter	Life Processes & Living System	Scientific Investigation
Standards of Learning	5.4a, 5.4b, 5.4c, 5.4e	5.5a, 5.5b	5.1b, 5.1c, 5.1e
Questions	1, 3, 8, 11, 13, 16, 19, 21, 23, 24, 26	4, 5, 6, 7, 10, 15, 18, 25	2, 9, 12, 14, 17, 20, 22
Total Number of Questions per Reporting Category	11	8	7

Science 5 Spring

Reporting Categories:	Earth/Space System and Cycles	Force, Motion, Energy, and Matter	Life Processes & Living System	Scientific Investigation
Standards of Learning	4.6a, 5.6c, 5.7e, 4.8c	5.2b, 5.2c, 4.3a, 5.3b, 5.3c, 5.3d, 5.3e, 5.4b, 5.4c	4.4a, 4.4b, 4.4c, 5.5a, 5.5b	5.1b, 5.1g
Questions	6, 8, 13, 17	1, 3, 7, 9, 10, 12, 14, 16, 18, 19, 22, 24, 25, 26, 27	5, 11, 15, 20, 21, 23, 28	2, 4
Total Number of Questions per Reporting Category	4	15	7	2

Science 5 Winter

Reporting Categories:	Earth/Space System and Cycles	Life Processes & Living System
Standards of Learning	5.6a, 4.6a, 5.6b, 5.6c, 5.7d, 5.7e, 4.8e	4.5a, 4.5e, 5.5b, 4.5d
Questions	1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 14, 15, 16, 17, 18, 19	7, 11, 13
Total Number of Questions per Reporting Category	16	3

Science 6 Fall

Reporting Categories:	Earth and Space Systems	Force, Motion, Energy, and Matter	Scientific Investigation
Standards of Learning	6.3b, 6.3d, 6.3e, 6.6b, 6.6d, 6.6e	6.6a	6.1c, 6.1d, 6.1f, 6.1g, 6.1h, 6.1i
Questions	2, 3, 4, 7, 8, 9, 10, 12, 16, 18, 19, 20, 21, 22, 23	14	1, 5, 6, 11, 13, 15, 17, 24, 25, 26, 27, 28, 29, 30
Total Number of Questions per Reporting Category	15	1	13

Science 6 Spring

Reporting Categories:	Earth and Space Systems	Ecosystems	Force, Motion, Energy, and Matter
Standards of Learning	6.2b, 6.2c, 6.2d, 6.5c, 6.5e, 6.5f, 6.6e	6.7a, 6.7b, 6.7c, 6.7f	6.4a, 6.4d, 6.4e, 6.4f, 6.5a, 6.5b
Questions	2, 3, 5, 7, 11, 13, 15, 18, 22, 24, 25	1, 8, 9, 12, 17	4,6, 10, 14, 16, 19, 20, 21, 23, 26
Total Number of Questions per Reporting Category	11	5	10

Science 7 Fall

Reporting Categories:	Life Systems	Scientific Investigation
Standards of Learning	LS.2a, LS.2b, LS.2c, LS.2d, LS.3a, LS.5a, LS.5b	LS.1a, LS.1c, LS.1f, LS.1h, LS.1i
Questions	2, 3, 5, 7, 10, 13, 14, 15, 17, 18, 19, 26, 27, 28, 29, 30, 31	1, 4, 6, 8, 9, 11, 12, 16, 20, 21, 22, 23, 24, 25
Total Number of Questions per Reporting Category	17	14

Science 7 Spring

Reporting Categories:	Ecosystems	Life Systems	Scientific Investigation
Standards of Learning	LS.12a, LS.12b, LS.12d, LS.12e	LS.13a, LS.2a, LS.2b, LS.4a, LS.4b, LS.4c, LS.5a	LS.1g, LS.12c, LS.12f
Questions	5, 6, 9, 10, 14	2, 7, 8, 12, 13, 15, 16, 17, 18, 20, 22	1, 3, 4, 11, 19, 21
Total Number of Questions per Reporting Category	5	11	6

Science 8 Fall

Reporting Categories:	Force, Motion, Energy, and Matter	Scientific Investigation
Standards of Learning	PS.11c, PS.2a, PS.2b, PS.2c, PS.2e, PS.3a, PS.3b, PS.4a, PS.4b, PS.4c, PS.7a, PS.7b	PS.1b, PS.1c, PS.1d, PS.1f, PS.1g, PS.1n
Questions	1, 2, 4, 5, 6, 7, 8, 9, 10, 13, 14, 16, 17, 18, 21, 23, 25, 26, 27, 28, 29, 30, 31	3, 11, 12, 15, 20, 22, 24, 19
Total Number of Questions per Reporting Category	23	8

Science 8 Spring

Reporting Categories:	Force, Motion, Energy, and Matter	Scientific Investigation
Standards of Learning	PS.10b, PS.10c, PS.10d, PS.2b, PS.2d, PS.4c, PS.5b, PS.5c, PS.6a, PS.6b, PS.7c	PS.1b
Questions	1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32	6
Total Number of Questions per Reporting Category	31	1

Earth Science Fall

Reporting Categories:	Cosmology, Origins, and Time	Earth Material and Processes	Earth Resource and Human Interactions	Scientific Investigation and the Nature of Science
Standards of Learning	ES.13b	ES.4a, ES.5b, ES.5c, ES.7a, ES.7b	ES.4b, ES.6b, ES.6c, ES.6d	ES.1a, ES.1c, ES.1d, ES.2a, ES.2c, ES.3b, ES.3c
Questions	2, 16, 25, 33, 39	1, 4, 9, 10, 13, 17, 19, 20, 27, 29, 35, 37, 40	7, 12, 15, 18, 21, 28, 36, 38	3, 5, 6, 8, 11, 14, 22, 23, 24, 26, 30, 31, 32, 34
Total Number of Questions per Reporting Category	5	13	8	14

Earth Science Spring

Reporting Categories:	Cosmology, Origins, and Time	Earth Material and Processes	Earth Resource and Human Interactions	Scientific Investigation and the Nature of Science
Standards of Learning	ES.13b	ES.4a, ES.5b, ES.5c, ES.7a, ES.7b	ES.4b, ES.6b, ES.6c, ES.6d	ES.1a, ES.1c, ES.2a, ES.3b, ES.3c
Questions	12, 18, 23, 30, 35	3, 7, 8, 10, 13, 15, 16, 17, 25, 27, 32, 34, 36	1, 6, 9, 14, 19, 26, 33	2, 4, 5, 11, 20, 21, 22, 24, 28, 29, 31
Total Number of Questions per Reporting Category	5	13	7	11

Biology Fall

Reporting Categories:	Interaction of Life Forms	Life at the Molecular and Cellular Level	Life at the System and Organism Level	Scientific Investigation
Standards of Learning	BIO.7a, BIO.7d, BIO.2c, BIO.7c	BIO.3c, BIO.5g, BIO.5b, BIO.3d, BIO.3b, BIO.5a, BIO.6e, BIO.3a, BIO.3e	BIO.4c, BIO.5d, BIO.4b, BIO.6a, BIO.5d, BIO.4c, BIO.2b	BIO.1i, BIO.1c, BIO.1j, BIO.1k, BIO.1f, BIO.1g, BIO.1a
Questions	9, 10, 12, 21, 34, 37	2, 4, 7, 8, 13, 14, 16, 17, 22, 26, 27, 30, 31, 33, 35	1, 5, 6, 18, 23, 24, 25, 28, 32, 36	3, 11, 15, 19, 20, 29, 38, 39, 40
Total Number of Questions per Reporting Category	6	15	10	9

Biology Spring

Reporting Categories:	Interaction of Life Forms	Life at the Molecular and Cellular Level	Life at the System and Organism Level	Scientific Investigation
Standards of Learning	BIO.2c, BIO.7a, BIO.7c, BIO.7d	BIO.2a, BIO.3a, BIO.3b, BIO.3c, BIO.3d, BIO.3e, BIO.5a, BIO.5b, BIO.5g, BIO.6e	BIO.2b, BIO.4b, BIO.4c, BIO.5d, BIO.6a	BIO.1a, BIO.1c, BIO.1f, BIO.1g, BIO.1i, BIO.1j, BIO.1k
Questions	7, 8, 10, 21, 23, 37	2, 5, 6, 11, 12, 14, 15, 19, 22, 24, 28, 29, 32, 33, 35	3, 4, 16, 18, 25, 26, 27, 30, 34, 36	1, 9, 13, 17, 20, 31, 38, 39, 40
Total Number of Questions per Reporting Category	6	15	10	9

Chemistry Fall

Reporting Categories:	Atomic Structure and Periodic Relationships	Chemical Formulas, and Reactions	Molar Relationships	Scientific Investigation
Standards of Learning	CH.2g, CH.2h, CH.2a, CH.2b, CH.2d, CH.2i, CH.2f	CH.3c, CH.3a, CH.3d, CH.3e, CH.3b	CH.4a, CH.4b	CH.1g, CH.1a, CH.1b, CH.1e
Questions	19, 20, 21, 22, 25, 28, 35, 36, 38	2, 8, 10, 11, 12, 13, 15, 16, 23, 24, 27, 30, 32, 33, 34	4, 6, 9, 14, 31	1, 3, 5, 7, 17, 18, 26, 29, 37, 39
Total Number of Questions per Reporting Category	9	15	5	10

Chemistry Spring

Reporting Categories:	Atomic Structure and Periodic Relationships	Chemical Formulas, and Reactions	Molar Relationships	Scientific Investigation
Standards of Learning	CH.2a, CH.2b, CH.2c, CH.2d, CH.f, CH.2g, CH.2h, CH.2i	CH.3a, CH.3b, CH.3c, CH.3d, CH.3e	CH.4a, CH.4b	CH.1a, CH.1b, CH.1c, CH.1e, CH.1f, CH.1g
Questions	17, 20, 22, 23, 24, 27, 30, 37, 38	6, 8, 9, 10, 11, 13, 14, 19, 25, 26, 29, 32, 34, 35, 36	2, 4, 7, 12, 33	1, 3, 5, 15, 16, 18, 21, 28, 31, 39
Total Number of Questions per Reporting Category	9	15	5	10